

CSCI 3753: Operating Systems

Week 8
October 17th, 2025

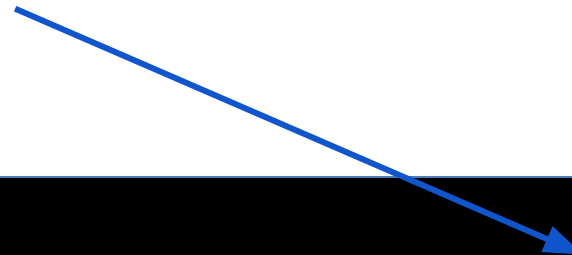


University of Colorado **Boulder**




Announcements

- PS6 due next Sunday at midnight!

- As always recitation materials are stored here



On-Going

- PA4 
 - Create a shared array
- PA5 
 - Create a DNS resolver
- PA6 
 - Combine these to create a multi-threaded DNS resolver

Bounded Buffer Problem!!



PA6

- multi-threaded DNS resolver
 - multi-lookup <# requester> <# resolver> <requester log> <resolver log> [<data file> ...]
 - <# requesters> number of requestor threads to place into the thread pool
 - <# resolvers> number of resolver threads to place into the thread pool
 - <requester log> name of the file into which requested hostnames are written
 - <resolver log> name of the file into which hostnames and resolved IP addresses are written
 - <data file> filename to be processed. Each file contains a list of host names, one per line, that are to be resolved



PA6 Diagram

